

ABSTRACT OF THE DISCLOSURE

A pointing device for cursor control includes a substrate formed with a plurality of switch contacts including direction contacts and a common contact unit.

5 A bridging contact bridges the direction contacts with the common contact unit according to magnitude and direction of an applied external force. A processing unit is connected electrically to the switch contacts, determines a net X vector component and a net Y vector

10 component in accordance with connected and disconnected states of the direction contacts, and multiplies each of the net X and Y vector components by a scaling factor that is selected based on the number of the direction contacts in the connected state to obtain x and y

15 displacement values, respectively. Cursor control signals for repositioning a cursor on a display screen are then generated based on the x and y displacement values.